

Section 1 - Chemical Product and Company Identification

MSDS Name: Agarose

Catalog Numbers: BP1356-100, BP1356-500, BP1360-100, BP160-100, BP160-500, BP1605KG, BP161-100, BP162-100, BP163-10, BP163-25, BP164-100, BP164-25, BP164-500, BP165-25, BP2410-100, NC9892029

Synonyms: None

Company Identification: Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 201-796-7100

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
9012-36-6	Agarose	100	232-731-8

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause eye irritation. This is expected to be a low hazard for usual industrial handling. Target Organs: None known.

Potential Health Effects

Eye: Dust may cause mechanical irritation.

Skin: May cause skin irritation. Low hazard for usual industrial handling.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Expected to be a low ingestion hazard.

Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

Autoignition Not applicable.

Temperature:**Flash Point:** Not applicable.**Explosion** Not available**Limits: Lower:****Explosion** Not available**Limits: Upper:****NFPA Rating:** health: 1; flammability: 0; instability: 0;**Section 6 - Accidental Release Measures****General Information:** Use proper personal protective equipment as indicated in Section 8.**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.**Section 7 - Handling and Storage****Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.**Storage:** Store in a tightly closed container. Keep from contact with oxidizing materials. Keep away from acids.**Section 8 - Exposure Controls, Personal Protection****Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 9012-36-6:

Personal Protective Equipment**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.**Skin:** Wear appropriate gloves to prevent skin exposure.**Clothing:** Wear appropriate protective clothing to minimize contact with skin.**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.**Section 9 - Physical and Chemical Properties****Physical State:** Solid**Color:** white**Odor:** odorless**pH:** Not available**Vapor Pressure:** Negligible.**Vapor Density:** Not available**Evaporation Rate:** Negligible.**Viscosity:** Not available**Boiling Point:** Not available**Freezing/Melting Point:** Not available**Decomposition Temperature:** Not available**Solubility in water:** Moderately soluble in water.**Specific Gravity/Density:** 1.7 (water=1)**Molecular Formula:** C₁₂H₁₈O₉**Molecular Weight:** 306.1206**Section 10 - Stability and Reactivity**

Chemical Stability: Stable.
Conditions to Avoid: Incompatible materials, dust generation, excess heat.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 9012-36-6 unlisted.
LD50/LC50: Not available
Carcinogenicity: Agarose - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	Not available
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 9012-36-6: Not available

Canada

CAS# 9012-36-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 9012-36-6 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 9012-36-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/12/1999

Revision #4 Date 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of

any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.